



## Test Report

No.T32120331244TY

Date: JAN 07, 2022

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IMAGEN BRANDS

401 US HWY 160 DONIPHAN, MO 63935, UNITED STATES

The following samples were submitted and identified by/on behalf of the client as:

CAMPFIRE MUG

Item No. : CDKW079  
Manufacture Date : 2021  
Shipment order number : DP00041391  
Country of Origin : CHINA  
Country of Destination : CANADA, UNITED STATES  
Labeled Age Grading : 0+  
Sample Receiving Date : DEC 27, 2021  
Testing Period : DEC 27, 2021 TO JAN 07, 2022

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Test Requested		Conclusion
1.	United States Food and Drug Administration (FDA) Compliance Policy Guides (CPG) Sec. 545.400: Pottery (Ceramics); Import and Domestic – Cadmium Contamination (7117.06) and Sec. 545.450: Pottery (Ceramics); Import and Domestic – Lead Contamination (7117.07) - extractable Lead and Cadmium	PASS
2.	Society of Glass and Ceramic Decorator’s (SGCD) Guide to Heavy Metal Limits and the Coalition for Safe Ceramicware (CSC) - leachable Lead and Cadmium from the lip and rim area	PASS
3.	Handle static loading strength	PASS
	Handle impact strength	PASS

\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
SGS Hong Kong Ltd.



Wong Sau Wai, Athena  
Senior Technical Executive

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**Test Results:**

**1. FDA CPG7117.07 (12/12/95) and 7117.06 (12/12/95)-Extractable Lead and Cadmium Content**

Method: With reference to ASTM C738 - 94 (reapproved 2020)  
 Analysis was performed by Atomic Absorption Spectrometer (AAS)

Internal Surface (Cup and Mugs)

<b>Specimen Description:</b>		1. Glazed white ceramic mug w/ black rim & dull blue exterior surface (#1-CDKW079 White ceramic interior w/ #2-CDKW079 Black ceramic halo w/ #3-CDKW079 Navy Blue ceramic exterior)			
Trial No.	Depth (mm)	Diameter (mm)	Extract Volume (ml)	Lead (mcg/ml)	Cadmium (mcg/ml)
1	71	92	340	< 0.050	< 0.020
2	71	92	340	< 0.050	< 0.020
3	71	92	340	< 0.050	< 0.020
4	71	92	340	< 0.050	< 0.020
5	71	92	340	< 0.050	< 0.020
6	71	92	340	< 0.050	< 0.020
FDA Permissible Limit (Any one of 6 specimens):				0.5	0.5

Internal Surface (Cup and Mugs)

<b>Specimen Description:</b>		2. Glazed white ceramic mug w/ black rim & black exterior surface (#1-CDKW079 White ceramic interior w/ #2-CDKW079 Black ceramic halo w/ #4-CDKW079 Black ceramic exterior)			
Trial No.	Depth (mm)	Diameter (mm)	Extract Volume (ml)	Lead (mcg/ml)	Cadmium (mcg/ml)
1	71	92	340	< 0.050	< 0.020
2	71	92	340	< 0.050	< 0.020
3	71	92	340	< 0.050	< 0.020
4	71	92	340	< 0.050	< 0.020
5	71	92	340	< 0.050	< 0.020
6	71	92	340	< 0.050	< 0.020
FDA Permissible Limit (Any one of 6 specimens):				0.5	0.5

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Internal Surface (Cup and Mugs)

<b>Specimen Description:</b> 3. Glazed white ceramic mug w/ black rim & red exterior surface (#1-CDKW079 White ceramic interior w/ #2-CDKW079 Black ceramic halo w/ #5-CDKW079 Red ceramic exterior)					
Trial No.	Depth (mm)	Diameter (mm)	Extract Volume (ml)	Lead (mcg/ml)	Cadmium (mcg/ml)
1	71	92	340	< 0.050	< 0.020
2	71	92	340	< 0.050	< 0.020
3	71	92	340	< 0.050	< 0.020
4	71	92	340	< 0.050	< 0.020
5	71	92	340	< 0.050	< 0.020
6	71	92	340	< 0.050	< 0.020
FDA Permissible Limit (Any one of 6 specimens):				0.5	0.5

Internal Surface (Cup and Mugs)

<b>Specimen Description:</b> 4. Glazed white ceramic mug w/ black rim & bright blue exterior surface (#1-CDKW079 White ceramic interior w/ #2-CDKW079 Black ceramic halo w/ #6-CDKW079 Royal Blue ceramic exterior)					
Trial No.	Depth (mm)	Diameter (mm)	Extract Volume (ml)	Lead (mcg/ml)	Cadmium (mcg/ml)
1	71	92	340	< 0.050	< 0.020
2	71	92	340	< 0.050	< 0.020
3	71	92	340	< 0.050	< 0.020
4	71	92	340	< 0.050	< 0.020
5	71	92	340	< 0.050	< 0.020
6	71	92	340	< 0.050	< 0.020
FDA Permissible Limit (Any one of 6 specimens):				0.5	0.5

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Internal Surface (Cup and Mugs)

<b>Specimen Description:</b> 5. Glazed white ceramic mug w/ black rim & white exterior surface (#1-CDKW079 White ceramic interior w/ #2-CDKW079 Black ceramic halo w/ #8-CDKW079 White ceramic exterior)						
Trial No.	Depth (mm)	Diameter (mm)	Extract Volume (ml)	Lead (mcg/ml)	Cadmium (mcg/ml)	
1	71	92	340	< 0.050	< 0.020	
2	71	92	340	< 0.050	< 0.020	
3	71	92	340	< 0.050	< 0.020	
4	71	92	340	< 0.050	< 0.020	
5	71	92	340	< 0.050	< 0.020	
6	71	92	340	< 0.050	< 0.020	
FDA Permissible Limit (Any one of 6 specimens):				0.5	0.5	

- Note:
- mcg/ml = microgram per milliliter = ppm
  - mm = millimeter
  - ml = milliliter
  - < = less than

**2. Requirement of SGCD and CSC- Leachable Lead and Cadmium Content at Rim Surface**

Method: With reference to ASTM C927-80 (Reapproved 2019)  
 Analysis was performed by Atomic Absorption Spectrometer (AAS)

<b>Specimen Description:</b> 1. Glazed white ceramic mug w/ black rim & dull blue exterior surface (#1-CDKW079 White ceramic interior w/ #2-CDKW079 Black ceramic halo w/ #3-CDKW079 Navy Blue ceramic exterior)						
Trial No.	Depth (mm)	Diameter (mm)	Internal Volume (ml)	Extract Volume (ml)	Lead (mcg/ml)	Cadmium (mcg/ml)
1	71	92	340	120	< 0.10	< 0.02
2	71	92	340	120	< 0.10	< 0.02
3	71	92	340	120	< 0.10	< 0.02
4	71	92	340	120	< 0.10	< 0.02
5	71	92	340	120	< 0.10	< 0.02
6	71	92	340	120	< 0.10	< 0.02
Limit of SGCD and CSC#:					4.0	0.4

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<b>Specimen Description:</b> 2. Glazed white ceramic mug w/ black rim & black exterior surface (#1-CDKW079 White ceramic interior w/ #2-CDKW079 Black ceramic halo w/ #4-CDKW079 Black ceramic exterior)						
Trial No.	Depth (mm)	Diameter (mm)	Internal Volume (ml)	Extract Volume (ml)	Lead (mcg/ml)	Cadmium (mcg/ml)
1	71	92	340	120	< 0.10	< 0.02
2	71	92	340	120	< 0.10	< 0.02
3	71	92	340	120	< 0.10	< 0.02
4	71	92	340	120	< 0.10	< 0.02
5	71	92	340	120	< 0.10	< 0.02
6	71	92	340	120	< 0.10	< 0.02
Limit of SGCD and CSC#:					4.0	0.4

<b>Specimen Description:</b> 3. Glazed white ceramic mug w/ black rim & red exterior surface (#1-CDKW079 White ceramic interior w/ #2-CDKW079 Black ceramic halo w/ #5-CDKW079 Red ceramic exterior)						
Trial No.	Depth (mm)	Diameter (mm)	Internal Volume (ml)	Extract Volume (ml)	Lead (mcg/ml)	Cadmium (mcg/ml)
1	71	92	340	120	< 0.10	< 0.02
2	71	92	340	120	< 0.10	< 0.02
3	71	92	340	120	< 0.10	< 0.02
4	71	92	340	120	< 0.10	< 0.02
5	71	92	340	120	< 0.10	< 0.02
6	71	92	340	120	< 0.10	< 0.02
Limit of SGCD and CSC#:					4.0	0.4

<b>Specimen Description:</b> 4. Glazed white ceramic mug w/ black rim & bright blue exterior surface (#1-CDKW079 White ceramic interior w/ #2-CDKW079 Black ceramic halo w/ #6-CDKW079 Royal Blue ceramic exterior)						
Trial No.	Depth (mm)	Diameter (mm)	Internal Volume (ml)	Extract Volume (ml)	Lead (mcg/ml)	Cadmium (mcg/ml)
1	71	92	340	120	< 0.10	< 0.02
2	71	92	340	120	< 0.10	< 0.02
3	71	92	340	120	< 0.10	< 0.02
4	71	92	340	120	< 0.10	< 0.02
5	71	92	340	120	< 0.10	< 0.02
6	71	92	340	120	< 0.10	< 0.02
Limit of SGCD and CSC#:					4.0	0.4

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<b>Specimen Description:</b> 5. Glazed white ceramic mug w/ black rim & white exterior surface (#1-CDKW079 White ceramic interior w/ #2-CDKW079 Black ceramic halo w/ #8-CDKW079 White ceramic exterior)						
Trial No.	Depth (mm)	Diameter (mm)	Internal Volume (ml)	Extract Volume (ml)	Lead (mcg/ml)	Cadmium (mcg/ml)
1	71	92	340	120	< 0.10	< 0.02
2	71	92	340	120	< 0.10	< 0.02
3	71	92	340	120	< 0.10	< 0.02
4	71	92	340	120	< 0.10	< 0.02
5	71	92	340	120	< 0.10	< 0.02
6	71	92	340	120	< 0.10	< 0.02
Limit of SGCD and CSC#:					4.0	0.4

- Note:
- mcg/ml = microgram per milliliter = ppm
  - mm = millimeter
  - ml = milliliter
  - < = less than
  - #The requirements were set by SGCD (Society of Glass and Ceramic Glass) and the Coalition for Safe Ceramic ware (CSC) effective from April 1, 1999.

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Test Item	Test Method/Standard	Test Requirements	Test Result
Handle static loading strength	SGS in House Method	Shall not detach or loosen after subjecting to loading equivalent to 2 times of its capacity of water for 1 hour.	Pass Tested load:700g
Handle impact strength (Applicable to ceramic item)	SGS in House Method	The rim and handle shall withstand impact of 0.05J impact energy without visible damage or chipping.	Pass No breakage or damage occurred on tested sample at 0.05J

**Remark:**

When statement of conformity is made, unless the decision rule was mentioned in above specified test items, the decision rule would be based on the non-binary statement with guard band (is equal to the expanded measurement uncertainty with a 95% coverage probability,  $w = U_{95}$ ) in ILAC-G8:09/2019 Clause 4.2.3.

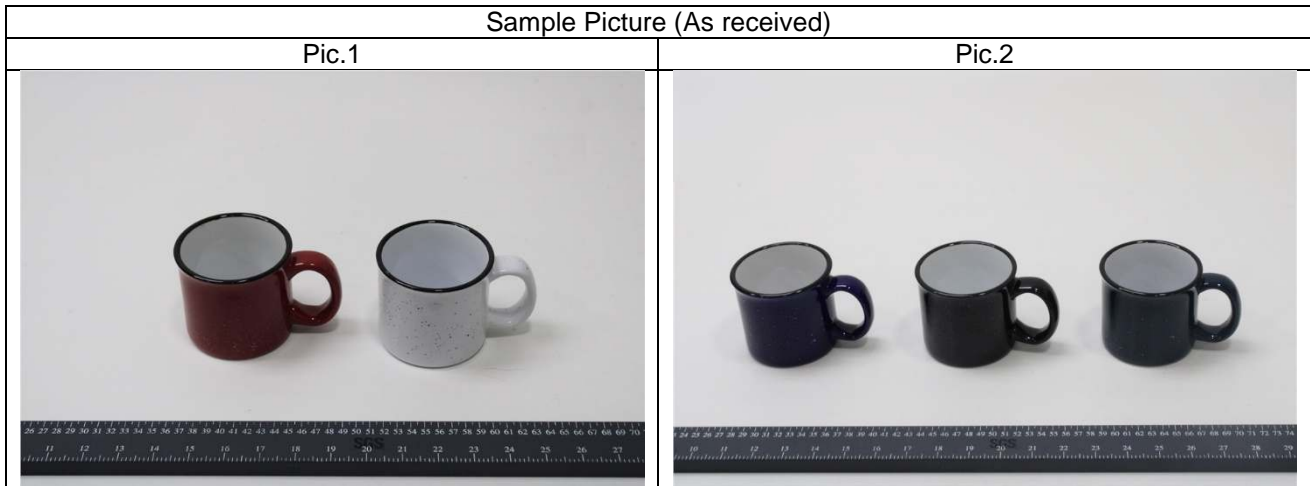
“Pass - the measured value is within (or below / above) the acceptance limit, where the acceptance limit is below / above to the guard band.” or “Pass - The measured values were observed in tolerance at the points tested. The specific false accept risk is up to 2.5%.”.

“Fail - the measured value is out of (or below / above) the tolerance limit added / subtracted to the guard band.” or “Fail - One or more measured values were observed out of tolerance at the points tested”. The specific false reject risk is up to 2.5%.

“Inconclusive – It is not possible to state the conformity. Either one or more measured values were observed in the portion of the expanded measurement uncertainty intervals at the points tested where the specific risk is up to 50%.”

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